

9800013

## THE UNIVERSALES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

# Sakata Seed Corporation

MICCOLS, THERE HAS BEEN PRESENTED TO THE

#### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE VE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT OPEN BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

#### ZINNIA

'Profusion Orange'

In Tratimonn Thereof, I have hereunto set my hand and caused the seal of the Hunt Anciety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of April, in the year of our Lord two thousand.

Auril

An marie

Commissioner Plant Variety Protection Offi

Plant Variety Protection Office Agricultural Marketing Service

Socrotary of Agriculture

REPRODUCE LOCALLY. Include form number and of			FORM APPROVED - OMB NO. 0581-0055
U.S. DEPARTMENT OF AGRICUL AGRICULTURAL MARKETING SEI SCIENCE AND TECHNOLOGY DIVISION - PLANT VARI	RVICE	The following statements are m 1974 (5 U.S.C. 552a) and the F	nade in accordance with the Privacy Act of Paperwork Reduction Act (PRA) of 1995.
APPLICATION FOR PLANT VARIETY PRO-	TECTION CERTIFICATI	Application is required in order certificate is to be issued (7 U.S. until certificate is issued (7 U.S.	to determine if a plant variety protection S.C. 24211. Information is held confidential C. 24261.
1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)	ii statement on reverse)	2. TEMPORARY DESIGNATION OR	3. VARIETY NAME
Sakata Seed Corporation		EXPERIMENTAL NUMBER	3/4
bakata seed corporation		Profusion	Profusion 9/4
		Orange	Orange
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Coo	le, and Country)	6. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY
2-7-1 Nakamachidai		((00) 770 7750	PVPO NUMBER
Tsuzuki-Ku, Yokohama		(408) 778-7758	9800013
Japan 224		6. FAX (include area code)	F DATE
		•	L
		(408) 778–1030	10/22/97
7. GENUS AND SPECIES NAME	8. FAMILY NAME	(Botanical)	FIUNG AND EXAMINATION FEE:
Zinnia hybrida <del>Zinnia interspec<b>ific</b></del>	Composit	ae	£ 2450.00
9. CROP KIND NAME (Common name)			E DATE
Zinnia			10/22/97
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF	OPCANIZATION (		C CERTIFICATION FEE:
Corporation	UNGANIZATION (corporation, pa	rtnership, association, etc.) (Common name)	1 s 300,00
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	v
9 Yokohama, Japan		1942 Dec 12	B DATE 3/3/2000
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF A	NY, TO SERVE IN THIS APPLICA	TION AND RECEIVE ALL PAPERS	14. TELEPHONE (include area code)
Thomas Day			
Gary Whiteaker Sakata Seed America, Inc.	i e		
18095 Serene Drive			16. FAX (include erea code)
Morgan Hill, CA 95037 U.S.A.			408-779-1978
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTE			704 771 7773
a.   Exhibit A. Origin and Breeding History of the Variety	U Irollow instructions on reverse	<b>)</b> .	
b. Exhibit 6. Statement of Distinctness			•
c.   Exhibit C. Objective Description of the Variety			
d. Exhibit D. Additional Description of the Variety (Optional)			•
e. 🔲 Exhibit E. Statement of the Besis of the Applicant's Owner	rship		
f. Voucher Sample (2,500 viable untreated seeds or, for tube		that tissue culture will be deposited and mainta	ined in an approved public repository)
g.  Filing and Examination Fee (\$2,450), made payable to "Tre	asurer of the United States" (Mai	to PVPO)	
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE	SOLD BY VARIETY NAME ONLY	(, AS A CLASS OF CERTIFIED SEED? (See Sec. o, go to item 20)	tion 83(e) of the Plant Variety Protection Act)
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE GENERATIONS?	•		S OF PRODUCTION BEYOND BREEDER SEED?
GENERATIONS? ☐ YES ☐ NO		☐ FOUNDATION ☐ REGISTE	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY	BEEN RELEASED, USED, OFFER	ED FOR SALE, OR MARKETED IN THE U.S. OR	OTHER COUNTRIES?
YES (If "yes," give names of countries and dates)	X no Mos	1 1, 1889	9/27/9
			-
21. The applicant(s) declare that a viable sample of basic seed of the var	iety will be furnished with applica	ation and will be replenished upon request in acc	ordance with such regulations as may be
applicable, or for a tuber propagated variety a tissue culture will be.  The undersigned applicant(s) is(are) the owner(s) of this sexually rep.  Section 42, and is entitled to protection under the provisions of Secti	roduced or tuber propagated plan	t variaty and ballavalet that the variaty is now	
Applicant(s) is(are) informed that felse representation herein can jeop			
IGNATURE OF APPLICANT (Owner(s))		NATURE OF APPLICANT (Owner(s))	
Marie H	]		•
AME (Please print or treat			
AME (Please print or type) Thomas Day	AAN	AE (Please print or type)	
	DATE		I
Q.A. Coordinator	DATE   CAP 10/10/97	ACITY OR TITLE	DATE
A.u. AAAITITATAT I	TO1 TO1 21		1

Sakata Seed America Zinnia 'Profusion Orange' PVP Application Number: <u>9800013</u>

Exhibit A, October 1, 1997 (THD) revised September 23, 1999 (THD)

In 1986, 19 strains of diploid interspecific crosses between Zinnia angustifolia and Zinnia elegans were received from Dr. Dennis P. Stimart at the University of Maryland. The 19 strains were sown in May and evaluated later that year. The interspecific hybrids 822-11C and 8411-7C were intercrossed (female and male, respectively) to produce F<sub>1</sub> seed. Line 822-11C was a cross between a Zinnia angustifolia line known only as White and Zinnia elegans variety 'Orange King'. Line 8411-7C was a cross between a Zinnia angustifolia line known only as Orange and Zinnia elegans variety 'Thumbelina Mini-Salmon'.

In 1987 the  $F_1$  seed was sown and three plants were selected and intercrossed for production of  $F_2$  seed.

In 1988 the  $F_2$  seed was sown, producing plants with flowers of several colors and shades. Three plants with compact plant habit, orange colored flower and prolific blooming were selected and intercrossed to produce  $F_3$  seed.

During 1989, 1990, 1991 and 1992, successive generations were sown with selection and selfing of individual plants to fix and stabilize traits.

In 1993, seed of the  $F_7$  selections was sown and one stable line with compact habit and prolific blooming was selected.  $F_8$  seed was made from this line by open pollination.

During 1994, 1995 and 1996, the  $F_8$  line, now named 'Profusion Orange', was sown and the resulting plants observed for trait stability. 'Profusion Orange' was observed to be uniform and stable in the two generations,  $F_7$  and  $F_8$ . Additionally it was determined that the new variety lacks genetic variants.

Sakata Seed America Zinnia 'Profusion Orange' PVP Application Number: <u>9800013</u>

Exhibit B, October 1, 1997 (THD) revised September 23, 1999 (THD)

To the best of our knowledge, 'Profusion Orange' most clearly resembles 'Star Orange'. However, 'Profusion Orange' differs from 'Star Orange' in at least one characteristic. 'Profusion Orange' has a large first flower while 'Star Orange' produces flowers that are all the same size. The first flower on 'Profusion Orange' is approximately 61 mm in diameter while the first flower on 'Star Orange' is approximately 39 mm. The accompanying Exhibit D shows data from two trials conducted in Salinas, California. In both trials the difference in first flower diameter was statistically significant at the 95% confidence level. Plots showing Rankit values (Bliss, 1967) versus the data support the assumption that the data is approximately normally distributed.

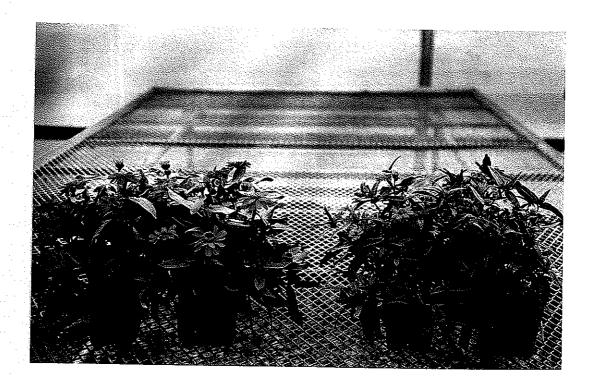
Attached are photos of the new variety and the comparison variety showing their significant difference in first flower diameter. These plants were grown in four-inch pots in a greenhouse in Salinas, California.

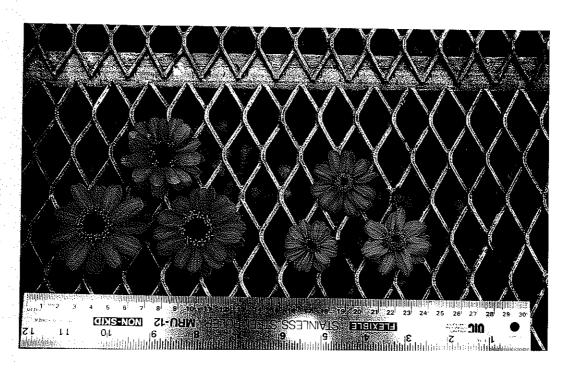
Note: First flowers are larger than average.

Bliss, C.I. Statistics in Biology, vol. 1. 1967. McGraw Hill

SMS 1/11/2000

### Exhibit B, Photographs





'Profusion Orange' (left) and 'Star Orange' (right) Note significant difference in diameter of first flower.

#### UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705

EXHIBIT C (Zinnia)

### SO OBJECTIVE DESCRIPTION OF VARIETY

INSTRUCTIONS: See Reverse,	ZINNIA (ZINN)	A ŞPP.)	
- · · · · · · · · · · · · · · · · · · ·			FOR OFFICIAL USE ONLY
Sakata Seed Corporation ADDRESS (Street and No. or R.F.D. No., City		P VP (	NUMBER
2-7-1 Nakamachidai	, State, and ZIP Code)		9800013
Tsuzuki-Ku, Yokohama			ETY NAME OR TEMPORARY GNATION
Japan 224		ъ.	rofusion Orango
			rofusion Orange
Place the appropriate number that described Place a zero in first box (e.g. 0 8 9 c	or 0 9 ) when number is e	this variety in the boxe ither 99 or less or 9 or	s below. less.
1. SPECIES:			15
4 1 = ELEGANS 2 = LINEARIS	3 = HAGGEANA (angus	tifolia) 4 = SPECI	ES CROSS Z. angustifolia x Z. elegans
2. PLOIDY:			
1 = DIPLOID (24) 2 = TETRAPLO	ID (48) 3 = OTHER (	Specify)	
3. FLOWER TYPE:			
1 = BUTTON (Cherry Buttons, Thumber	lina) 2 = POMPON (Sc	arlet Gem, White Gem)	3 = DAHLIA (Dream, Exquisite)
4 = CRESTED , SCABIOSA (Wind Wite			6 = MEXICAN (Old Mexico)
4. PLANT:			
DAYS FROM EMERGENCE TO	Season: 1 = SHORT FLOWE		- LONG, CONTINUOUS FLOWERING
1 2 NO. OF PRIMARY BRANCHES	48 NO. OF SECONDA	ARY BRANCHES	NO OS TERTIASY REALIZADO
Main Stalk:	110	ATT BRANCHES	NO. OF TERTIARY BRANCHES
wani Start:	·		•
O G NO. OF INTERNODES	CM. LENGTH OF	INTERNODE BE- SECOND NODES	MM. DIAMETER BETWEEN FIRST
Habit:	2 Habit: CM, WIDE	2	Habit: CM, HIGH
2 = SPREADING		احا	<u> </u>
	SPARSELY PUBESCENT	3 = PUBESCE	NT
5. LEAF:			
Shape: 1 = LANCEOLATE 2 = OVA	TE 3 = ELLIPTIC Z	O MM. WIDE 6	MM. LONG
2 Dorsal Surface: 1 = GLABROUS	2 = PUBESCENT	Ventral Surface: 1 = G	LABROUS 2 - PUBESCENT
6. FLOWERS:		5.:	5
N A CM, LENGTH OF CUT FLOWER (from head to first branch)	1 O AVERAGE NO.		CM. DIAMETER OF HEAD
Stems: 1 = RIGID 2 = FLEXIBLE	2 Stems: 1 = BRITT	LE 2 = WIREY	
Doubleness: 1 = SINGLE (one rou		= SEMI-SINGLE (several	rows of rays)
	many rows of rays) 4	= DOUBLE (all rays)	· · · · · · · · · · · · · · · · · · ·
7. RAY PETALS:			
1 = FLAT 2 = TWISTED 3 6 = COMBINATION OR OTHER (Spe	= CURLED 4 = SHAGO	SY 5 = QUILLED	
2 Dorsal Surface:		Dorsal Surface:	
Ventral Sui face:	2 = PUBESCENT	Ventral Surface: 1 =	DULL 2 = SHINY
APICES:	<u>.1.1</u>	•	
	<del></del>		
1 = ACUTE 2 = OBTUSE	2 1 = ENTIRE 2	= NOTCHED 3 = SPI	NED .

MONOCOLOR  Color Patterns for Bicolor or Multicolor:  Wentral Side:  Ventral Side:  SPOTS  BLOTCHES  BLOTCHES  OTHER (Specify)  OTHER (Specify)  OTHER (Specify)  Ventral Side:  Ventral Side:  Ventral Side:  Ventral Side:  Ventral Side:  SPOTS  BLOTCHES  OTHER (Specify)  OTHER (Specify)  OTHER (Specify)  It = NOT QUILLED 2 = GOLD 08 = BRONZE  OF = GOLD 08 = BRONZE  OTHER (Specify)  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  OTHER (Specify)  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  OTHER (Specify)  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  OTHER (Specify)  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUILLED  OF = GOLD 08 = BRONZE  It = NOT QUILLED 2 = QUI	en de la companya de		n in the second well well than the	Profusion Oran	ge 7800013
Color Petterns for Bicolor or Multicolor:  Dorsal Side:  Ventral S	8. COLOR OF RAYS: (Colors	listed below apply to Monocol	or and Color Patterns.		
Dorsal Side:  Ventral Side:  SPOOT  SPOOT  SPOOT  SPOON  SPOON  SPOON  SPOON  SPOON  STREAKS  STRIPES  STRIPS  STRIPES  STE	MONOCOLOR				
Dorsal Side:  Ventral Side:  SPOOT  SPOOT  SPOON SPOON  SPOON SPOON  STREAKS  STREAKS  STRIPES  STREAKS	Color Patterns for Bicolor or	Multicolor:	RHS 28B	RHS 33A	
Ventral Side:  Dorsal Side:  Ventral Side:  OTHER (Specify)  OTHER (Specify)  OTHER (Specify)  OTHER (Specify)  OTHER (Specify)  Sepondary Seponda	Dorsal Side:		k [3[7]	<b>9</b> <sup>k</sup>	
Ventral Side:  Dorsal Side:  Ventral Side:  SPOTS  SPOTS  SPOTS  BLOTCHES  OTHER (Specify)  OTHER (S	<u> </u>		U U BACK		STRIPES
Dorsal Side:  Ventral Side:  Ventral Side:  O1 = WHITE	III I H	416	W. A / COLO	R	3111123
Ventral Side:  OTHER (Specify)  OTHER OTHER OTHER (Specify)  OTHER OTHER OTHER OTHER (Specify)  OTHER OTHER OTHER OTHER (Specify)  OTHER OTHE			C C KHS A	ا لللا	<del></del>
Ventral Side:  O1 = WHITE	Dorsal Side:				•
01 = WHITE 02 = CREAM 03 = PINK 04 = ROSE 05 = RED 06 = ORANGE 07 = GOLD 08 = BRONZE 09 = YELLOW 10 = GREEN 11 = LAVENDER 12 = SCARLET 13 = SALMON 14 = OTHER (Specify)  9. DISK FLORETS:  3  1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, CONSPICUOUS  10. ANTHOCYANIN: (1 = Absent, 2 = Present)  11. SEEDLINGS 2 STEMS 1 LEAVES 1 FLOWERS  11. SEEDS:  4  Yield: 1 = NONE 2 = POOR 3 = FAIR 4 = GOOD 5 MM. LONG WIDE  2  Color: 1 = TAN 2 = LIGHT BROWN 3 = DARK BROWN 3 MG. PER 100 SEEDS  12. DRIED RECEPTACLE (After seed removal):  4  Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE 1 MM. LENGTH 5 MM. DIAMETER AT BASE  13. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)  14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY  Flower type Foliage size		POTS BLOTCH	IES COTHE	(Specify)	
9. DISK FLORETS:  3. 1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, CONSPICUOUS  1. NOT QUILLED 2 = QUILLED  1. SEEDS:  1. LEAVES 1 FLOWERS  1. SEEDS:  1. POWDERS  1. PLAN 2 = LIGHT BROWN 3 = DARK BROWN 3 =	Ventral Side:		v		
9. PYELLOW 10 = GREEN 11 = LAVENDER 12 = SCARLET 13 = SALMON 14 = OTHER (Specify)  9. DISK FLORETS:  3	01 = WHITE 02 = CF	REAM 03 = PINK 04	1 = ROSE 05 = 1	RED 06 = ORANGE 07	= GOLD 08 = BRONZE
1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, CONSPICUOUS  2   1 = NOT QUILLED 2 = QUILLED  7   Color: (Choose from colors in No. 9 above)   RHS 26A  10. ANTHOCYANIN: (1 = Absent, 2 = Present)	09 = YELLOW 10 = G	REEN 11 = LAVENDER	12 = SCARLET		OTHER (Specify)
1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, CONSPICUOUS  2   1 = NOT QUILLED 2 = QUILLED  7   Color: (Choose from colors in No. 9 above)   RHS 26A  10. ANTHOCYANIN: (1 = Absent, 2 = Present)					
1 = ABSENT 2 = PRESENT, COVERED 3 = PRESENT, CONSPICUOUS  2   1 = NOT QUILLED 2 = QUILLED  7   Color: (Choose from colors in No. 9 above)   RHS 26A  10. ANTHOCYANIN: (1 = Absent, 2 = Present)					
O 7 Color: (Choose from colors in No. 9 above) RHS 26A  10. ANTHOCYANIN: (1 = Absent, 2 = Present)  I SEEDLINGS	9. DISK FLORETS:		<u> </u>	<u> </u>	
O 7 Color: (Choose from colors in No. 9 above) RHS 26A  10. ANTHOCYANIN: (1 = Absent, 2 = Present)  I SEEDLINGS	1 = ARSENT 2 =	PRESENT, PRESE	NT,	[a]	
10. ANTHOCYANIN: (1 = Absent, 2 = Present)    SEEDLINGS	131	CONERED CONSP	ICUOUS	1 = NOT QUILLE	D 2 = QUILLED
10. ANTHOCYANIN: (1 = Absent, 2 = Present)    SEEDLINGS	Color: (Chanse for	om colors in No. 9 abovel	045 261	÷.	
11. SEEDS:  4 Yield: 1 = NONE 2 = POOR 3 = FAIR 4 = GOOD  5 MM. LONG  2 MM. WIDE  2 Color: 1 = TAN 2 = LIGHT BROWN 3 = DARK BROWN  3 CO MG. PER 100 SEEDS  12. DRIED RECEPTACLE (After seed removal):  4 Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE  13. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)  POWDERY MILDEW  MOSAIC FUSARIUM ALTERNARIA LEAF SPOT  14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY  Flower size  Flower type  Foliage size		,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ICU2 SAN		
11. SEEDS:    Yield: 1 = NONE 2 = POOR 3 = FAIR 4 = GOOD	10. ANTHOCYANIN: (1 = A	bsent, 2 = Present)	# 440° 11	e Sq.	
Yield: 1 = NONE 2 = POOR 3 = FAIR 4 = GOOD  Z Color: 1 = TAN 2 = LIGHT BROWN 3 = DARK BROWN  DRIED RECEPTACLE (After seed removal):  Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE  Shape: 0 = Not Tested, 1 = Susceptible, 2 = Resistant)  POWDERY  MOSAIC  FUSARIUM  WILT  ALTERNARIA  LEAF SPOT  ALTERNARIA  LEAF SPOT  ALTERNARIA  LEAF SPOT  CHARACTER  NAME OF VARIETY  Plant size  Flower type  Foliage size	SEEDLINGS 2	STEMS 1 LEAVES	1 FLOWER	3	
Yield: 1 = NONE 2 = POOR 3 = FAIR 4 = GOOD    Color: 1 = TAN 2 = LIGHT BROWN 3 = DARK BROWN   COLOR   COLOR   COLOR   COLOR	11. SEEDS:		<del>na industrial</del>		
12. DRIED RECEPTACLE (After seed removal):    Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE   MML   MML	Yield: 1 = NONE	2 = POOR 3 = FAIR	4 = GOOD		
12. DRIED RECEPTACLE (After seed removal):    Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE   MML   MML	2 Color: 1 = TAN	2 = LIGHT RROWN 2	= DARK BROWN	MG PER 1	nn ceens
Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE    Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE   Shape: 1 = FLAT 2 = D	<u> </u>	2 - LIGHT BROWN 3	- DANK BROWN	[3] GO] WG. FEN (	ou sceps
Shape: 1 = FLAT 2 = DOME 3 = GLOBE 4 = CONE  13. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)  POWDERY MILDEW  MOSAIC  FUSARIUM LEAF SPOT  14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER  NAME OF VARIETY  Flower size  Flower type  Foliage size	12. DRIED RECEPTACLE (Afte	er seed removal):	The second of th	WIW	— Audid
POWDERY MILDEW MOSAIC FUSARIUM LEAF SPOT  14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY  Flower size Plant size  Flower type Foliage size	Shape: 1 = FLAT	2 = DOME 3 = GLOBE	4 = CONE		
MILDEW WILT LEAF SPOT  14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY  Flower size Plant size  Flower type Foliage size	The second secon	d, 1 = Susceptible, 2 = Reși	stant)		
14. INDICATE VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED:  CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY  Flower size Plant size  Flower type Foliage size		IUSAIC I/ I	17 1	· · · · · · · · · · · · · · · · · · ·	
CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY Flower size Flower type Foliage size					
Flower size Plant size Flower type Foliage size				OUA DA OTED	<del></del>
Flower type Foliage size	***************************************				
	Flower color		······································	Maturity	
Plant Habit					A CAL
REFERENCES:	<del> </del>	REI	FERENCES:	ers had the income	
Bodger Seed Company, LTD. The Zinnia and Its Uses. Bul. No. 1 19 pp. 1935.	1. Bodger Seed Company, L	TD. The Zinnia and Its Use	s. Bul. No. 1 19 p	\$. 1935. 46 JUU 46.	en e
2. Honeywell, E. R., 1970. The Zinnia. Purdue University Ext Service HO-104.	2. Honeywell, E. R., 1970. T	he Zinnia. Purdue Univers	ity Ext Service HO	104.	
3. Metcalf, H. N. and J. N. Sharma. Germplasm Resources of the Genus Zinnia L. Econ. Bot. 25:169-181. 1971.					B1. 1971.
Weddle, Charles. The Elegant Zinnia. Nat. Hort. Mag. 24(2): 83-91, 1945.	4. Weddle, Charles. The Eleg	ant Zinnia. Nat. Hort. Mag	. 24(2): 83-91, 19	<b>45:</b> A 3 1 1 1 1 2 1 3 2 3 1 1 1	
Nickerson's or any recognized color fan should be used to determine the plant colors of the described variety.	<ol> <li>Nickerson's or any recogni comments:</li> </ol>	zed color fan should be use	d to determine the	plant colors of the described	variety.

### **PVP** Application:

Sakata Seed America Zinnia 'Profusion Orange' Exhibit D

### Diameter of first flower (mm)

Location 1, inside greenhouse

Profusion Star 63.1 37.3 Std. Dev. 5.3 2.4

2.392E-13 (P<0.05) t-test

Mean

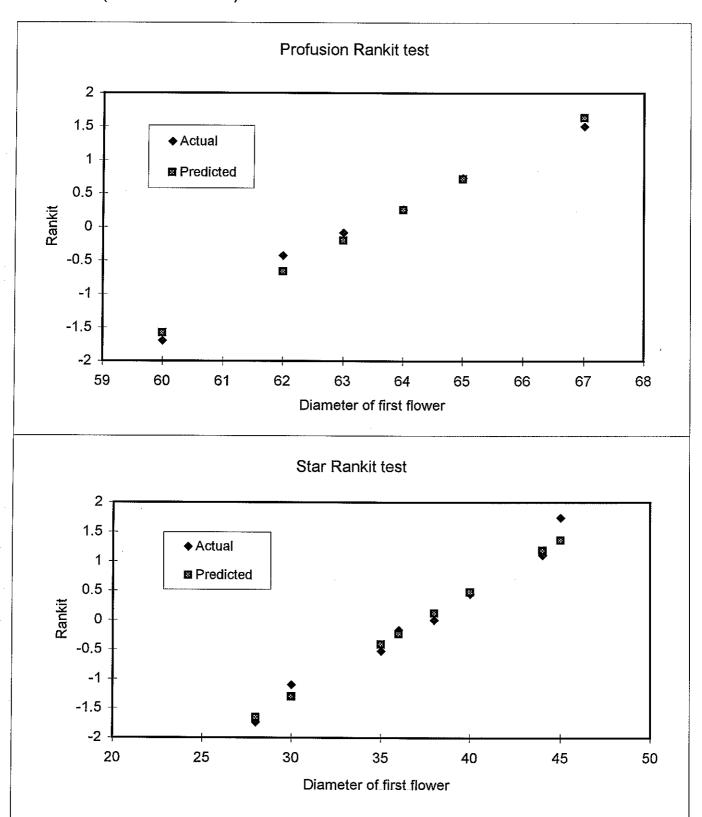
Location 2, outdoors

	Profusion	Star
	57	45
	57	38
	60	50
	63	45
	60	38
	58	40
	60	42
	47	35
	60	38
	60	41
	63	32
	60	43
	57	38
	64	38
Mean	59.0	40.2
Std. Dev.	4.1	4.6

t-test

1.437E-11 (P<0.05) **PVP** Application:

Sakata Seed America Zinnia 'Star Orange' Exhibit D (Location 1 data)



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C (Zinnia)

### OBJECTIVE DESCRIPTION OF VARIETY

Saketa Seed Corporation  Adding Saketa Seed Corporation  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place are a proportion and the place of the post of sor of east.  3 to provide the boxes below.  Place a proportion of the place of the varietal character of this variety in the boxes below.  Place a proportion of the place of the place of the post of sor of sor of the place of the	INSTRUCTIONS: See Reverse.	ZINNIA (ZINNIA SPP.)	
ADDRESS (Street and No. or F.F.D. No., City, State, and ZIP Case)  2			FOR OFFICIAL USE ONLY
2-7-1 Nekamachidai TSUZUKi-Ku, Yokohama Japan 224  Place the appropriate number that describes the varietal character of this variety in the boxes below.  Place a zero in first box (-6+ 0 0 8 9 9 o 10 1 9 ) when number is either 99 or less or 9 or less.  I SPECIES:  3 1 - ELEGANS 2 = LINEARIS 3 = HAGGEANA (angustifolis) 4 = SPECIES CROSS  2 - PLOIDY:  1 - DIPLOID (24) 2 - TETRAPLOID (48) 3 = OTHER (Specify)  3 - FLOWER TYPE:  4 - CRESTED, SCABIOSA (Mind Witch) 5 - CACTUS (Blace, Sunny Boy) 6 - MEXICAN (Old Maxico)  4 - CRESTED, SCABIOSA (Mind Witch) 5 - CACTUS (Blace, Sunny Boy) 6 - MEXICAN (Old Maxico)  4 - FLANT:  7 O DAYS FROM EMERGENCE TO PIRST FLOWER  NO. OF FRIMARY BRANCHES  6 NO. OF FRIMARY BRANCHES  6 NO. OF FRIMARY BRANCHES  6 NO. OF FRIMARY BRANCHES  7 NO. OF INTERNODES  1 - GLABROUS  2 - SPARSELY PUBESCENT  3 - PUBESCENT  3 - PUBESCENT  5 LEAF:  1 Shape: 1 - COMPACT 2 - SPARSELY PUBESCENT 3 - PUBESCENT  3 - PUBESCENT  5 LEAF:  1 Shape: 1 - CAGROUS 2 - PUBESCENT  3 - PUBESCENT  5 LEAF:  1 Shape: 1 - GLABROUS 2 - PUBESCENT  3 - SEMISINGLE (sewer) rows of raya) 3 - SEMISINGLE (sewer) rows of raya) 4 - DOUBLE (after) 4 - DOUBLE (after) 1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED  1 - FLAT 2 - TWISTED 3 - CURLED 4 - SHAGGY 5 - QUILLED 5 - COMBINATION OR OTHER (Specify) 7 Ventral Surface: 1 - GLABROUS 2 - PUBESCENT 1 - QUILLED 4 - SHAGGY 5 - QUILLED 5 - CACTUS (Shape) 5 - CACTUS (Shape) 5 - CACTUS (Shape) 5 - CACTUS (Shape) 5 - CACTUS (Blace, Surnay Find The State Company Fin	Sakata Seed Corporation	3.0	
Tauzuki-Ku, Yokohama   Japan 224   Star Orange		nd ZIP Code)	1 <i>9800</i> 013
Japan 224   Star Orange		•	
Place to appropriate aumber that describes the varietal character of this variety in the boxes below.  Place a zero in first box (=6. 0 2 3 o 0 7 ) o 0 7 ) when number is either 99 or less or 9 or less.  1. SPECIES.  3. 1 - ELEGANS 2 = LINEARIS 3 = HAGGEANA (angustifolia) 4 = SPECIES CROSS  2. PLOIDY:  1. 1 = DIPLOID (24) 2 = TETRAPLOID (48) 3 = OTHER (Specify)  3. FLOWER TYPE:  4. 1 = BUTTON (Cherry Buttons, Thumbelina) 2 = POMPON (Seariet Gen, White Gen) 3 = DAHLIA (Drawn, Exquisito) 6 = MEXICAN (Did Mexico)  4. PLANT:  7. O DAYS FROM EMERGENCE TO  2. SEASON: 1 - SHORT, CONCENTRATED 2 = LONG, CONTINUOUS FLOWERING FLOWERING  NO. OF PRIMARY BRANCHES  NO. OF INTERNODES  NO. OF INTERNODES  NO. OF INTERNODES  NO. OF INTERNODES  1. GLABROUS 2 = SPARSELY PUBESCENT 3 = PUBESCENT  3. Shape: 1 = LANGEOLATE 2 = OVATE 3 = ELLIPTIC 1 O MM, WIDE 2 5 MM, LONG  Dornal Surface: 1 = GLABROUS 2 - PUBESCENT 2 Ventral Surface: 1 = GLABROUS 2 - PUBESCENT  3. SEEMIS: 1 = RIGID 2 = FLEXIBLE 2 Steins: 1 = BRITTLE 2 = WIREY  Doubleness: 1 - SINGLE (one row of rays) 4 - DOUBLE (alt rays)  7. RAY PETALS:  1. SHAPE - SEEMI-SOUGHER (Surface: 1 - DULL 2 - SHINY Ventral Surface: 1 - DULL 2 - S			
Triace 3 2800 In Itses box (Feb. [0] 8] 9) or [0] 9] when number is either 99 or less or 9 or less.  I SPECIES:  I = ELEGANS 2 = LINEARIS 3 = HAGGEANA (angustifolia) 4 = SPECIES CROSS  2. PLOIDY:  I = DIPLOID (24) 2 = TETRAPLOID (48) 3 = OTHER (Specify)  3. FLOWER TYPE:  I = BUTTON (Cherry Buttons, Thumbelina) 2 = POMPON (Scarket Gem, White Gem) 3 = DAHLIA (Drasm, Exquisite) 4 = CRESTED, SCABIOSA (Wind Witch) 5 = CACTUS (Bizes, Sunny Boy) 6 = MEXICAN (Old Markeo)  4. PLANT:  I = DAYS FROM EMERGENCE TO 7   Season: 1 = SHORT, CONCENTRATED 2 = LONG, CONTINUOUS FLOWERING FLOWERING PLOWERING   DNO. OF PRIMARY BRANCHES   DNO. OF TERTIARY BRANCH	Japan 224		Star Orange
1. SPECIES:  3 1 - ELEGANS 2 = LINEARIS 3 = HAGGEANA (angustifolia) 4 = SPECIES CROSS  2. PLOIDY:  1. ** DIPLOID**  1. ** DIPLOID**  1. ** BUTTON (Charry Buttons, Thumbelins) 2 = POMPON (Scarlet Gam, White Gam) 3 = DAHLIA (Draam, Exquisite) 6 - MEXICAN (Old Maxico) 6 - MEXICAN (Old Maxico) 6 - MEXICAN (Old Maxico) 7 O FIRST FLOWER STANDARY BRANCHES  1. ** PLANT:  1. ** DAYS FROM EMERGENCE TO FLOWER	Place the appropriate number that describes the v	varietal character of this variety in th	ne boxes below.
2. PLOIDY:    1 = DIPLOID (24)    2 = TETRAPLOID (48)   3 = OTHER (Specify)		7, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	7 7 01 1033
1 = DIPLOID (24) 2 = TETRAPLOID (48) 3 = OTHER (Specify)	3 1 = ELEGANS 2 = LINEARIS 3 =	= HAGGEANA (angustifolia) 4 =	SPECIES CROSS
3 FLOWER TYPE:  1 = BUTTON (Cherry Buttons, Thumbelina) 2 = POMPON (Scarlet Gem, White Gem) 3 = DAHLIA (Dream, Exquisite) 4 - CRESTED, SCABIOSA (Wind Witch) 5 = CACTUS (Blaze, Sunny Boy) 6 = MEXICAN (Old Mexico) 4. PLANT:  7 D DAYS FROM EMERGENCE TO FIRST FLOWER	2. PLOIDY:		
1 = BUTTON (Cherry Buttons, Thumbelina) 2 = POMPON (Scarlet Gem, White Gem) 3 = DAHLIA (Dream, Exquisite) 4 = CRESTED, SCABIOSA (Wind Witch) 5 = CACTUS (Blaze, Sunny Boy) 6 = MEXICAN (Old Mexico) 7 = SHORT, CONCENTRATED 7 = LONG, CONTINUOUS FLOWERING 7 = NO. OF FERTIARY BRANCHES 7   NO. OF FERTIARY BR	1 = DIPLOID (24) 2 = TETRAPLOID (48)	3 = OTHER (Specify)	
1 = BUTTON (Cherry Buttons, Thumbelina)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4. PLANT:    TO DAYS FROM EMERGENCE TO   PLOWERING   PLOWERING	1 = BUTTON (Cherry Buttons, Thumbelina)		em) 3 = DAHLIA (Dream, Exquisite)
4. PLANT:    Days from Emergence to Pirist Flower   2 Season: 1 = SHORT, CONCENTRATED   2 = LONG, CONTINUOUS FLOWERING   1	4 = CRESTED , SCABIOSA (Wind Witch)		
FLOWERING  FLOWERING  FLOWERING  FLOWERING  FLOWERING  FLOWERING  NO. OF PRIMARY BRANCHES  NO. OF INTERNODES  NO. OF TERTIARY BRANCHES  NAM. DIAMETER BETWEEN FIRST & SECOND NODE  ASSCOND NODE  ANDERSCENT  3 = PUBESCENT  NAM. LONG	4. PLANT:		
Main Stalk:    State	70 DAYS FROM EMERGENCE TO 2 S		2 = LONG, CONTINUOUS FLOWERING
NO. OF INTERNODES  TWEEN FIRST & SECOND NODES  Habit: 1 = COMPACT 2 = SPREADING  1 = GLABROUS 2 = SPARSELY PUBESCENT 3 = PUBESCENT 5. LEAF:  Shape: 1 = LANCEOLATE 2 = OVATE 3 = ELLIPTIC Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT  AVERAGE NO. PER PLANT From head to first branch)  Stems: 1 = RIGID 2 = FLEXIBLE Stems: 1 = BRITTLE 1 = SINGLE (one row of rays) 3 = SEMI-DOUBLE (many rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS: 1 = GLABROUS 2 = PUBESCENT 1 = GLABROUS 2 = PUBESCENT  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT  OCM. DIAMETER OF HEAD  NA DOUBLE (all rays)  1 = DOLL 2 = SHINY  Ventral Surface: Ve	NO. OF PRIMARY BRANCHES	NO. OF SECONDARY BRANCHES	NO. OF TERTIARY BRANCHES
TWEEN FIRST & SECOND NODES  THAT IS A SECOND NODES  THE NUMBER  TH	Main Stalk:	_	
Habit: 2 = SPREADING  2 = SPARSELY PUBESCENT  3 = PUBESCENT  5. LEAF:  Shape: 1 = LANCEOLATE 2 = OVATE 3 = ELLIPTIC	05 NO. OF INTERNODES	CM. LENGTH OF INTERNODE BETWEEN FIRST & SECOND NODES	MM. DIAMETER BETWEEN FIRST
Shape: 1 = LANCEOLATE 2 = OVATE 3 = ELLIPTIC 1 O MM, WIDE 4 5 MM, LONG  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT 2 Ventral Surface: 1 = GLABROUS 2 = PUBESCENT  6. FLOWERS:  NA CM. LENGTH OF CUT FLOWER (from head to first branch)  Stems: 1 = RIGID 2 = FLEXIBLE 2 Stems: 1 = BRITTLE 2 = WIREY  Doubleness: 1 = SINGLE (one row of rays) 2 = SEMI-SINGLE (several rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS:  1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED 6 = COMBINATION OR OTHER (Specify)  Dorsal Surface: 1 = DULL 2 = SHINY  Ventral Surface: 2 = OVATE 3 = ELLIPTIC 1 O MM, WIDE 4 5 MM, LONG  MM, WIDE 4 5 MM, LONG  CM. DIAMETER OF HEAD	Habit: 2 C	Habit: CM. WIDE	24 Habit: CM, HIGH
Shape: 1 = LANCEOLATE 2 = OVATE 3 = ELLIPTIC 1 O MM, WIDE 4 5 MM, LONG  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT 2 Ventral Surface: 1 = GLABROUS 2 = PUBESCENT  6. FLOWERS:  NA CM. LENGTH OF CUT FLOWER (from head to first branch)  Stems: 1 = RIGID 2 = FLEXIBLE 2 Stems: 1 = BRITTLE 2 = WIREY  Doubleness: 1 = SINGLE (one row of rays) 2 = SEMI-SINGLE (several rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS:  1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED 6 = COMBINATION OR OTHER (Specify)  Dorsal Surface: 1 = DULL 2 = SHINY  Ventral Surface: 2 = OVATE 3 = ELLIPTIC 1 O MM, WIDE 4 5 MM, LONG  MM, WIDE 4 5 MM, LONG  CM. DIAMETER OF HEAD	3 1 = GLABROUS 2 = SPARSE	LY PUBESCENT 3 = PU	BESCENT
Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT	5. LEAF:		
6. FLOWERS:  N A CM. LENGTH OF CUT FLOWER (from head to first branch)  2 Stems: 1 = RIGID 2 = FLEXIBLE 2 Stems: 1 = BRITTLE 2 = WIREY  Doubleness: 1 = SINGLE (one row of rays) 2 = SEMI-SINGLE (several rows of rays)  3 = SEMI-DOUBLE (many rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS:  1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED  6 = COMBINATION OR OTHER (Specify)  Dorsal Surface:  Ventral Surface:  1 = GLABROUS 2 = PUBESCENT  Ventral Surface:  Ventral Surface:  2 = SHINY  Ventral Surface:  1 = DULL 2 = SHINY	Shape: 1 = LANCEOLATE 2 = OVATE 3	= ELLIPTIC MM. WIDE	45 MM. LONG
NA (from head to first branch)  Stems: 1 = RIGID 2 = FLEXIBLE 2 Stems: 1 = BRITTLE 2 = WIREY  Doubleness: 1 = SINGLE (one row of rays) 2 = SEMI-SINGLE (several rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS: 1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED 6 = COMBINATION OR OTHER (Specify)  Dorsal Surface: 1 = GLABROUS 2 = PUBESCENT 1 = DULL 2 = SHINY  Ventral Surface: 1 = DULL 2 = SHINY	Dorsal Surface: 1 = GLABROUS 2 = PU	UBESCENT 2 Ventral Surface:	1 = GLABROUS 2 = PUBESCENT
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Doubleness: 1 = SINGLE (one row of rays) 2 = SEMI-SINGLE (several rows of rays) 3 = SEMI-DOUBLE (many rows of rays) 4 = DOUBLE (all rays)  7. RAY PETALS:  1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED 6 = COMBINATION OR OTHER (Specify)  Dorsal Surface:  Ventral Surface:  Ventral Surface:  APICES:	N A (from head to first branch)	AVERAGE NO. PER PLANT	
JOUDIENESS:  3 = SEMI-DOUBLE (many rows of rays)  4 = DOUBLE (all rays)  7. RAY PETALS:  1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED  6 = COMBINATION OR OTHER (Specify)  Dorsal Surface:  Ventral Surface:  Ventral Surface:  APICES:	Stems: 1 = RIGID 2 = FLEXIBLE 2	Stems: 1 = BRITTLE 2 = WIRE	<b>Y</b>
1 = FLAT 2 = TWISTED 3 = CURLED 4 = SHAGGY 5 = QUILLED 6 = COMBINATION OR OTHER (Specify)  Dorsal Surface:  Ventral Surface:  Ventral Surface:  APICES:	1 Doubleness:		
Dorsal Surface:  Ventral Surface:  APICES:  1 = GLABROUS 2 = PUBESCENT  Ventral Surface:  Ventral Surface:  1 = DULL 2 = SHINY  Ventral Surface:	7. RAY PETALS:		
Ventral Surface:  1 = GLABROUS 2 = PUBESCENT  Ventral Surface:  1 = DULL 2 = SHINY  APICES:		ED 4 = SHAGGY 5 = QUILL	LED
7	1 = GLABROUS 2 = F	PUBESCENT	1 = DULL 2 = SHINY
2 1 = ACUTE 2 = OBTUSE 2 1 = ENTIRE 2 = NOTCHED 3 = SPINED	APICES:	**************************************	
	2 1 = ACUTE 2 = OBTUSE 2	1 = ENTIRE 2 = NOTCHED 3	= SPINED

- 2. Honeywell, E. R., 1970. The Zinnia. Purdue University Ext Service HO-104.
- 3. Metcalf, H. N. and J. N. Sharma. Germplasm Resources of the Genus Zinnia L. Econ. Bot. 25:169-181. 1971.

(Lai A

- 4. Weddle, Charles. The Elegant Zinnia. Nat. Hort. Mag. 24(2): 83-91. 1945.
- 5. Nickerson's or any recognized color fan should be used to determine the plant colors of the described variety.

REPRODUCE LUCALLY. Include form number and date on all reproductions.	FORM APPROVED - OMB I	NO. 0581-0055 EXPIRES: 12-31-
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE	The following statements are ma	de in accordance with the Privacy Act perwork Reduction Act (PRA) of 1995 .
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	certificate is to be issued (7 U.S.	to determine if a plant variety protection C. 2421). Information is held confidenti
1. NAME OF APPLICANT(S)	until certificate is issued (7 U.S.C	. 2426).
William of Alt EloAle (3)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Sakata Seed Corporation	Profusion	Profusion j
-	Orange	Orange 9
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
2-7-1 Nakamachidai	(408) 778-7758	(408) 778–1030
Tsuzuki-Ku, Yokohama Japan 224	7. PVPO NUMBER	(400) 770 1030
Japan 224		8810
8. Does the applicant own all rights to the variety? Mark an "X" in appropria	78 <i>U</i>	0013
	o sook. It no, please explain.	X YES NO
		·
9. Is the applicant (individual or company) a U.S. national or U.S. based comp If no, give name of countryJapan	any?	YES X NO
10. Is the applicant the original breeder? If no, please answer the following:		
a. If original rights to variety were owned by individualish	of country	X YES NO
	of country	X YES NO
a. If original rights to variety were owned by individualish		X YES NO
<ul> <li>a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of the original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of the original breeder(s) U.S. based company?</li> </ul>	country	
<ul> <li>a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of the original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of the original breeder(s) U.S. based company? If no, give name of the original breeder(s) U.S. based company?</li> </ul>	country	YES NO
<ul> <li>a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of the original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of the original breeder(s) U.S. based company? If no, give name of the original breeders are employees of Sakata Section between the employees and Sakata, all rights</li> </ul>	country	YES NO
<ul> <li>a. If original rights to variety were owned by individual(s): ls (are) the original breeder(s) a U.S. national(s)? If no, give name of the original rights to variety were owned by a company: ls the original breeder(s) U.S. based company? If no, give name of the original breeder(s) u.S. based company? If no, give name of the breeders are employees of Sakata Section</li> </ul>	country	YES NO
a. If original rights to variety were owned by individual(s): ls (are) the original breeder(s) a U.S. national(s)? If no, give name of b. If original rights to variety were owned by a company: ls the original breeder(s) U.S. based company? If no, give name of of  11. Additional explantion on ownership (If needed, use reverse for extra space). The breeders are employees of Sakata See between the employees and Sakata, all rights assigned to Sakata Seed Corporation.  PLEASE NOTE:	country	YES NO
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of of  11. Additional explantion on ownership (If needed, use reverse for extra space). The breeders are employees of Sakata See between the employees and Sakata, all rights assigned to Sakata Seed Corporation.  PLEASE NOTE:  Plant variety protection can be afforded only to owners (not licensees) who meet in the rights to the variety are owned by the original breeder, that person must	country	YES NO eement are
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of of  11. Additional explantion on ownership (If needed, use reverse for extra space). The breeders are employees of Sakata See between the employees and Sakata, all reassigned to Sakata Seed Corporation.  PLEASE NOTE:  Plant variety protection can be afforded only to owners (not licensees) who meet of a country which affords similar protection to nationals of the U.S. for the second country which affords similar protection to nationals of the U.S. for the second can be used to sake the u.S. for the second country which affords similar protection to nationals of the U.S. for the second can be used to variety are owned by the original breeder, that person must be afforded similar protection to nationals of the U.S. for the second can be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder, that person must be used to variety are owned by the original breeder.	country	POV member country, or national
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of The breeders are employees of Sakata Section between the employees and Sakata, all riassigned to Sakata Section Corporation.  PLEASE NOTE: Plant variety protection can be afforded only to owners (not licensees) who meet 1. If the rights to the variety are owned by the original breeder, that person muse of a country which affords similar protection to nationals of the U.S. for the section of a UPOV member country, or owned by nationals of a country which	ecountry  de Corporation. By agree ights to any invention to one of the following criteria: set be a U.S. national, national of a learne genus and species. iginal breeder(s), the company musich affords similar protection to national of a fords similar protection to national security.	POV member country, or national to be U.S. based, owned by onals of the U.S. for the same

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Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.